## Claims

1. A method for making a compound of formula (I)

wherein bonds a and b are single or double bonds, provided that one of a and b is a single bond and the other is a double bond; one of B¹ and B² is —CHR⁵-CHR⁶-C(Y)ZRⁿ or hydrogen and the other is absent; B³ is —C(W)NHR⁶ or hydrogen; provided that one of B¹, B² and B³ is not hydrogen; R¹, R², R³ and R⁴ are independently hydrogen, alkyl, alkenyl, aryl or aralkyl; or R¹ and R², or R³ and R⁴, combine with the carbon atom to which they are attached to form an alkyl or alkenyl ring; provided that at least three of R¹, R², R³ and R⁴ are alkyl, alkenyl, aryl or aralkyl; Y and W are O or S; Z is O, S or NR⁶; R⁵ is hydrogen or C¹-C₄ alkyl; R⁶ is hydrogen or C¹-C₄ alkyl; Rⁿ and R⁶ are independently hydrogen, alkyl, alkenyl, aryl or aralkyl; and R⁶ is alkyl, alkenyl, aryl or aralkyl;

said method comprising adding to an imidazolidinethione having formula

$$R^2$$
 $R^1$ 
 $R^2$ 
 $R^4$ 
 $R^4$ 

one of: (i) CHR5=CHR6-C(Y)ZR7; and (ii) R8N=C=W to form a reaction mixture; wherein the reaction mixture is substantially free of solvent.

- 2. The method of claim 1 in which CHR<sup>5</sup>=CHR<sup>6</sup>·C(O)OR<sup>7</sup> is added to the imidazolidinethione; R<sup>5</sup> is hydrogen; and R<sup>6</sup> is hydrogen or methyl.
- 3. The method of claim 2 further comprising an alkali metal carbonate in an amount less than 10 mole % relative to CHR5=CHR6-C(O)OR7.
  - 4. A method for making a compound of formula (I)

wherein bonds a and b are single or double bonds, provided that one of a and b is a single bond and the other is a double bond; one of B<sup>1</sup> and B<sup>2</sup> is  $-CR^{10}R^{11}$ -NHR<sup>12</sup> and the other is absent; R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are independently hydrogen, alkyl, alkenyl, aryl or aralkyl; or R<sup>1</sup> and R<sup>2</sup>, or R<sup>3</sup> and R<sup>4</sup>, combine with the carbon atom to which they are attached to form an alkyl or alkenyl ring; provided that at least three of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are alkyl, alkenyl, aryl or aralkyl; R<sup>10</sup> and R<sup>11</sup> independently are hydrogen, alkyl, alkenyl, aryl or aralkyl; and R<sup>12</sup> is alkyl, alkenyl, aryl or aralkyl;

said method comprising adding  $R^{10}R^{11}C\text{=}O$  and  $R^{12}NH_2$  to an imidazolidinethione having formula

and heating to a temperature from 50°C to 180°C.

5. A method for making a compound of formula (I)

wherein bonds a and b are single or double bonds, provided that one of a and b is a single bond and the other is a double bond; one of B¹ and B² is

-CHR⁵-CHR⁶-C(Y)ZR⁷, -CR¹⁰R¹¹-NHR¹² or hydrogen and the other is absent; B³ is -C(W)NHR⁶ or hydrogen; provided that one of B¹, B² and B³ is not hydrogen; R¹, R², R³ and R⁴ are independently hydrogen, alkyl, alkenyl, aryl or aralkyl; or R¹ and R², or R³ and R⁴, combine with the carbon atom to which they are attached to form an alkyl or alkenyl ring; provided that at least three of R¹, R², R³ and R⁴ are alkyl, alkenyl, aryl or aralkyl; Y and W are O or S; Z is O, S or NR⁶; R⁵ is hydrogen or C¹-C₄ alkyl; R⁶ is hydrogen or C¹-C₄ alkyl; R⁷, R⁷, R⁷, R⁷, Rⁿ and R¹¹ are independently hydrogen, alkyl, alkenyl, aryl or aralkyl; and R⁶ and R¹² independently are alkyl, alkenyl, aryl or aralkyl;

said method comprising steps of:

(a) preparing an imidazolidinethione having formula

and (b) adding to the imidazolidinethione, without isolation of the imidazolidinethione, one of: (i) CHR<sup>5</sup>=CHR<sup>6</sup>-C(Y)ZR<sup>7</sup>; (ii) R<sup>10</sup>R<sup>11</sup>C=O and R<sup>12</sup>NH<sub>2</sub>; (iii) R<sup>10</sup>R<sup>11</sup>C=NR<sup>12</sup>; and (iv) R<sup>8</sup>N=C=W.

- 6. The method of claim 5 in which  $R^{10}R^{11}C=0$  and  $R^{12}NH_2$  are added to the imidazolidinethione.
- 7. The method of claim 5 in which CHR5=CHR6-C(O)OR7 is added to the imidazolidinethione; R5 is hydrogen; and R6 is hydrogen or methyl.
- 8. The method of claim 5 in which R<sup>8</sup>N=C=W is added to the imidazolidinethione and further comprising removal of substantially all water prior to addition of R<sup>8</sup>N=C=W.
- 9. The method of claim 8 in which W is O, and  $R^8$  is aryl or  $C_8\mbox{-}C_{20}$  alkyl.